



VEDANT College of Engineering & Technology

Village: Tulsi, Post- Jakhmund, Dist. Bundi-323021 (Raj.)

Department of – CSE

FIRST MID TERM TEST

SEM: VI

TIME: 1Hr

SUB: Design Analysis of Algorithm

Code: 6CS2 A

Max. Marks=20

Note: (i) Answer All Questions
(II) Figures to the right indicate maximum marks.

- Q: 1 What is the need of analysis of algorithm? Discuss various notations in brief. 6
- Q: 2 Explain strassen's matrix multiplication with suitable example. 7
- Q: 3 Find a solution by greedy approach of the following instance of knapsack problem:
W= {4, 10, 5, 6, 8, 3}
V= {20, 15, 30, 18, 16, 21}. 7



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